

## SECTION VI—BIBLIOGRAPHY.

## RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following books have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological and seismological work and studies:

**Andrews, A. W.**

Text-book of geography. London. 1916. xi. 655 p. figures. tables. 19cm. [Climate, p. 36-68.]

**Angot, Alfred.**

Traité élémentaire de météorologie; 3me éd. rev. et corrigée. Paris. 1916. vii, 415 p. figures. 25cm.

**Bates, Carlos Glazier.**

The windbreak as a farm asset. Washington. 1917. 16 p. (incl. title-page) illus. 23 $\frac{1}{2}$ cm. (U. S. Dept. of agriculture. Farmers' bulletin 788.) "Contribution from the Forest service."

**Blue Hill observatory.**

[Report of the director] 1915-16. (Excerpted from: Official register of Harvard university. Reports of the president and the treasurer of Harvard college, 1915-16, p. 236-239. Cambridge. 1917.)

**Chamberlain, Basil Hall.**

Things Japanese, being notes on various subjects connected with Japan for the use of travellers and others; 5th ed. rev. London. 1905. vi [1] 552 p. fold. map. 22cm. [Climate, p. 95-100 with table of precipitation.]

**Cochrane, John L.**

Safety-first train. Washington. 1917. 46 p. (incl. title-page) illus. map. tables. 23cm. (At head of title: Department of the interior. Office of the secretary.) [Weather bureau, p. 35-37.]

**Delgado de Carvalho, Carlos M.**

Météorologie du Brésil. Londres. 1917. xix, 527 [1] p. plates. diagrams. charts (partly fold.) 2 fold. maps. 24cm. (Bibliographie, p. 518-525. Préface de Sir W. Napier Shaw.)

**Föyn, N. J.**

Das Klima von Bergen. Theil 2. Lufttemperatur. Bergen. 1916. 88 p. (incl. title-page) tables. 23 cm. (Sonderabdruck aus Bergens Museums Aarbok, 1915-16. Naturvidenskabelig række. Nr. 4. On cover: Mitteilungen vom Meteorologischen Observatorium in Bergen.)

**Friez, Julien P. & sons.**

Illustrated catalog standard meteorological instruments and apparatus manufactured by Julien P. Friez & Sons, Belfort meteorological observatory. Baltimore. [c 1917] 58 p. (incl. title-page) front. (port.) illus. 23 $\frac{1}{2}$ cm. (At head of title: Catalog.-B.)

**Geitel, Hans.**

Zur Frage nach dem Ursprunge der Niederschlags elektrizität. (Photographed from Physikalische Zeitschrift, v. 17, 1916, p. 455-464.) 27 $\frac{1}{2}$ cm.

**Reeds, Chester A.**

A perplexing phenomenon—mirage. illus. diagrams. 25cm. (Excerpted from the American museum journal, v. 16, Dec. 1916, p. 513-524.)

**Spain. Observatorio central meteorológico.**

Resumen de las observaciones meteorológicas efectuadas en las estaciones del servicio meteorológico español, durante los años 1904 y 1905. v. 10. Madrid. 1916. x[1] 192 p. [1] tables. 25cm. Resumen . . . durante el año 1914. v. 9. Madrid. 1916. xc[1] 488 p. [3 1] tables. 25cm.

**U. S. National advisory committee for aeronautics.**

Second annual report . . . for the fiscal year ended June 30, 1916. Washington. 1917. 630 p. plates. figures. 25 $\frac{1}{2}$ cm. (At head of title: Aeronautics.)

**Wallis, B. C.**

Rainfall of Java. (Reprinted from the Scottish geographical magazine, v. 33, March, 1917, p. 108-119. Bibliography, p. 119.) 25cm.

## RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of

all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

*Association of American geographers. Annals. New York. v. 6. 1916.*  
Ward, Robert DeClancy. The prevailing winds of the United States. p. 99-119. Bibliography, p. 117-119.

*Electrical world. New York. v. 69. February 24, 1917.*

Culver, Frank S. Performance of two successful windmill generating plants. p. 367-369.

*Engineering news-record. New York. v. 78. April 26, 1917.*  
Horton, Robert E. A new evaporation formula developed. p. 196-199.

*Franklin institute. Journal. Philadelphia. v. 183. April, 1917.*

Whitehead, J. B. The electric strength of air and methods of measuring high voltage. p. 433-451.

*Geographical review. New York. v. 3. April, 1917.*

Veeder, M[ajor] A[lbert]. The relation between solar and terrestrial meteorology. p. 303-316.

*Journal of electricity, power and gas. San Francisco. v. 37. September 23, 1916.*

Shaw, S. B. Rainfall and agricultural power use. p. 242-243.  
[Relation of rainfall to electric power and for irrigation pumping.]

*Manufacturers record. Baltimore. v. 71. March 22, 1917.*  
[Easton, Edward C.] Saving early truck and fruit through warnings sent by Uncle Sam. p. 57.

*Meteorological society of Japan. Journal. Tokyo. 36th year. March, 1917.*

Nakamura, Sawemontarō. On the Hakone earthquakes in January, 1917. p. 15-22.

Hasegawa, K. The Formosa earthquake on January 5, 1917. p. 23-24.

*Royal society of Edinburgh. Proceedings. v. 36. 1915-1916.*

Aitken, John. The dynamics of cyclones and anticyclones. pt. 3. p. 174-185.

*Photographic journal. London. v. 57. March, 1917.*

Cox, Bertram. Some observations on clouds. p. 124-132.

*Science. New York. v. 45. April 20, 1917.*

Merrill, George P. The unit of pressure. p. 385.

*Science abstracts. London. v. 20. January 31, 1917.*

Ducasse, L. Possible influence of a railway on thunderstorms in a hill country. p. 26. [Abstract from Electrician.]

*Scientific American. New York. v. 116. April 7, 1917.*

Edholm, C. L. Airmen and the Weather Bureau—partners. The meteorological work undertaken at the San Diego army aviation school. p. 342; 355.

*Scientific American supplement. New York. April 7, 1917.*

Palmer, Andrew H. An eruption of Lassen peak. Meteorological and seismological considerations. p. 216-217. [Repr. from MONTHLY WEATHER REVIEW.]

*Terrestrial magnetism. Baltimore. v. 21. December, 1916.*

Störmer, Carl. Preliminary report on the results of the aurora-borealis expedition to Bossekop in the spring of 1913. (Fifth communication.) p. 153-156.

Störmer, Carl. Summary of results of the aurora-borealis expedition of 1913 to Bossekop, Norway. p. 157-168.

Vegard, L., and Krognos, O. The height of the aurora-borealis according to observations at the Haldde observatory, Norway. p. 169-173.

*Tōkyō mathematical-physical society. Proceedings. Tōkyō. 2d ser. v. 9. March, 1917.*

Otobe, Kōkichi. Equation of horizontal rainbows. p. 63-67.  
[See this REVIEW, April, 1917.]

*U. S. National advisory committee for aeronautics. Washington. 1916.*

Marchis, L. Experimental researches on the resistance of air. p. 555-630. [Bibliography, p. 630.]

*Weltall. Berlin. 15. Jahrgang. Nov.-Heft. 1916.*

Tippenhauer, L. Gentil. Ueber den Zusammenhang des Barometerstandes mit dem elektrischen Zustande der Atmosphäre in den Tropen. p. 39-43.

*Pontificia accademia romana dei Nuovi Lincei. Atti. Roma. anno 69. 1915-1916.*

Galli, Ignazio. Di due recenti fulmazioni nella provincia Romana. Nota 15. p. 105-108.

Gabelli, Lucio. L'influenza delle basse temperature sulle cosiddette floriture invernali. p. 125-135.

Galli, Ignazio. Di un altro strano fulmine nella provincia Romana. Nota 16. p. 136-138.

*Reale accademia dei Lincei. Atti. Roma. v. 25. 2 sem. 1916.*

Marchi, Luigi de. Sulla dispersione sismica. p. 134-136. [Reply to Oddone.]

Agamemnone, G., and Cavasino, A. La velocità di propagazione del terremoto ligure del 23 febbraio 1887. p. 167-171.